1. (currently amended): Use, as a catalyst for A method of catalyzing an oxidation reactions reaction, which comprises contacting an oxidizable substrate with an oxidizing agent in the presence of a catalytically effective amount of at least one metal complex compound of formula (1)

$$[L_n M e_m X_p]^z Y_q \tag{1},$$

wherein

Me is manganese, titanium, iron, cobalt, nickel or copper,

X is a coordinating or bridging radical,

n and m are each independently of the other an integer having a value of from 1 to 8, p is an integer having a value of from 0 to 32,

z is the charge of the metal complex,

Y is a counter-ion,

q = z/(charge of Y), and

L is a ligand of formula (2)

wherein

Q is N or CR<sub>10</sub>,

 $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$  and  $R_{10}$  are each independently of the others hydrogen; unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12} \text{ is in each case hydrogen or unsubstituted or substituted } C_{1}\text{-}C_{18} \text{alkyl or unsubstituted or substituted aryl; } -NR_{13}R_{14}; -(C_{1}\text{-}C_{6} \text{alkylene})\text{-}NR_{13}R_{14}; -N^{\oplus}R_{13}R_{14}R_{15}; -(C_{1}\text{-}C_{6} \text{alkylene})\text{-}N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})\text{-}(C_{1}\text{-}C_{6} \text{alkylene})\text{-}NR_{13}R_{14}; -N[(C_{1}\text{-}C_{6} \text{alkylene})\text{-}NR_{13}R_{14}]_{2}; -N(R_{12})\text{-}(C_{1}\text{-}C_{6} \text{alkylene})\text{-}N^{\oplus}R_{13}R_{14}R_{15}; -N[(C_{1}\text{-}C_{6} \text{alkylene})\text{-}N^{\oplus}R_{13}R_{14}R_{15}]_{2}; -N(R_{12})\text{-}N\text{-}R_{13}R_{14} \text{ or } -N(R_{12})\text{-}N^{\oplus}R_{13}R_{14}R_{15}, \text{ wherein } R_{12} \text{ is as defined above and}$ 

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl, or

R<sub>13</sub> and R<sub>14</sub>, together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms.

- 2. (currently amended): Use A method according to claim 1, wherein Me is manganese in the oxidation state II, III, IV or V.
- 3. (cancelled).
- **4.** (currently amended): Use A method according to any one of claims claim 1, 2 and 3, wherein X is CH<sub>3</sub>CN, H<sub>2</sub>O, F<sup>-</sup>, Cl<sup>-</sup>, Br<sup>-</sup>, HOO<sup>-</sup>, O<sub>2</sub><sup>2-</sup>, O<sup>2-</sup>, R<sub>16</sub>COO<sup>-</sup>, R<sub>16</sub>O<sup>-</sup>, LMeO<sup>-</sup> or LMeOO<sup>-</sup>, wherein R<sub>16</sub> is hydrogen, -SO<sub>3</sub>C<sub>1</sub>-C<sub>4</sub>alkyl or unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or substituted or unsubstituted aryl, and L and Me are as defined in claim 1.
- **5.** (currently amended): Use A method according to any one of claims 1 to 4 claim 1, wherein Y is R<sub>17</sub>COO<sup>-</sup>, ClO<sub>4</sub><sup>-</sup>, BF<sub>4</sub><sup>-</sup>, PF<sub>6</sub><sup>-</sup>, R<sub>17</sub>SO<sub>3</sub><sup>-</sup>, R<sub>17</sub>SO<sub>4</sub><sup>-</sup>, SO<sub>4</sub><sup>2</sup>-, NO<sub>3</sub><sup>-</sup>, F<sup>-</sup>, Cl<sup>-</sup>, Br<sup>-</sup>, l<sup>-</sup>, citrate, tartrate or oxalate, wherein

R<sub>17</sub> is hydrogen or unsubstituted or-substituted substituted C<sub>1</sub>-C<sub>18</sub>alkyl or substituted or unsubstituted aryl.

- **6.** (currently amended): Use A method according to any one of claims 1 to 5 claim 1, wherein n is an integer having a value of from 1 to 4, especially 1 or 2.
- 7. (currently amended): Use A method according to any one of claims 1 to 6 claim 1, wherein m is an integer having a value of 1 or 2, especially 1.
- **8.** (currently amended): Use-A method according to any one of claims 1 to 7 claim 1, wherein p is an integer having a value of from 0 to 4, especially 2.
- **9.** (currently amended): Use-A method according to any one of claims 1 to 8 claim 1, wherein z is an integer having a value of from 8- to 8+.

- **10.** (currently amended): Use-A method according to any one of claims 1 to 9 claim 1, wherein aryl is phenyl or naphthyl each unsubstituted or substituted by C₁-C₄alkyl, C₁-C₄alkoxy, halogen, cyano, nitro, carboxy, sulfo, hydroxy, amino, N-mono- or N,N-di-C₁-C₄alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthyloxy.
- 11. (currently amended): Use A method according to any one of claims 1 to 10 claim 1, wherein the 5-, 6- or 7-membered ring formed by R<sub>13</sub> and R<sub>14</sub> together with the nitrogen atom linking them is an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring wherein the nitrogen atoms may be quaternised.
- 12. (currently amended): Use-A method according to any one of claims 1 to 11 claim 1, wherein  $R_5$  is  $C_1$ - $C_{12}$ alkyl; phenyl unsubstituted or substituted by  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, halogen, cyano, nitro, carboxy, sulfo, hydroxy, amino, N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthyloxy; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation,  $C_1$ - $C_{12}$ alkyl, unsubstituted phenyl or phenyl substituted as indicated above;  $-SR_{12}$ ,  $-SO_2R_{12}$  or  $-OR_{12}$  wherein

 $R_{12} \text{ is in each case hydrogen, } C_{1}-C_{12} \text{alkyl, unsubstituted phenyl or phenyl substituted as indicated above; } -NR_{13}R_{14}; -(C_{1}-C_{6} \text{alkylene})-NR_{13}R_{14}; -N^{\oplus}R_{13}R_{14}R_{15}; -(C_{1}-C_{6} \text{alkylene})-N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})-(C_{1}-C_{6} \text{alkylene})-N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}, \text{ wherein}$ 

R<sub>12</sub> may have one of the above meanings and

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen, unsubstituted or hydroxy-substituted  $C_1$ - $C_{12}$ alkyl, unsubstituted phenyl or phenyl substituted as indicated above, or  $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring unsubstituted or substituted by at least one unsubstituted  $C_1$ - $C_4$ alkyl and/or substituted  $C_1$ - $C_4$ alkyl, wherein the nitrogen atom may be quaternised, and  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$  and  $R_{10}$  may be as defined in claim 1 or are hydrogen.

13. (currently amended): Use-A method according to any one of claims 1 to 12 claim 1, wherein  $R_5$  is phenyl unsubstituted or substituted by  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, halogen, phenyl or by hydroxy; cyano; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation,  $C_1$ - $C_4$ alkyl or phenyl; - $SR_{12}$ , - $SO_2R_{12}$  or - $OR_{12}$  wherein  $R_{12}$  is in each case hydrogen,  $C_1$ - $C_4$ alkyl or phenyl; - $N(CH_3)$ - $NH_2$  or -NH- $NH_2$ ; amino; N-mono- or

N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety; or an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring.

- **14.** (currently amended): Use A method according to any one of claims 1 to 13 claim 1, wherein R<sub>5</sub> in L is C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; hydrazine; amino; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety; or an unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted pyrrolidine, piperidine, piperazine, morpholine or azepane ring.
- **15.** (currently amended): Use <u>A method</u> according to <u>any one of claims 1 to 14 claim 12</u>, wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$  and  $R_{10}$  in L have the definitions given for  $R_5$  in <u>any one of claims 12 to 14</u> claim 12, but those radicals may additionally be hydrogen.
- **16.** (currently amended): Use A method according to any one of claims 1 to 15 claim 1, wherein L is a compound of formula (3a) and/or (3b)

wherein R'<sub>3</sub>, R'<sub>5</sub> and R'<sub>7</sub> have the definitions given in claims 1 to 15 claim 1 for R<sub>3</sub>, R<sub>5</sub> and R<sub>7</sub>.

**17.** (currently amended): <u>Use A method</u> according to <u>any one of claims 1 to 11 claim 1</u>, which comprises the use, as a catalyst for oxidation reactions, of at least one metal complex compound of formula (1')

$$[L'_n M e_m X_p]^z Y_q \tag{1'},$$

wherein

Me is manganese, titanium, iron, cobalt, nickel or copper,

X is a coordinating or bridging radical,

n and m are each independently of the other an integer having a value of from 1 to 8, p is an integer having a value of from 0 to 32,

z is the charge of the metal complex,

Y is a counter-ion,

q = z/(charge of Y), and

L' is a ligand of formula (2')

wherein

Q is N or CR<sub>10</sub>.

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub> and R<sub>10</sub> are each independently of the others hydrogen; unsubstituted or substituted C<sub>1</sub>-C<sub>18</sub>alkyl or unsubstituted or substituted aryl; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12}$  is in each case hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl; -NR<sub>13</sub>R<sub>14</sub>; -( $C_1$ - $C_6$ alkylene)-NR<sub>13</sub>R<sub>14</sub>; -N<sup> $\Theta$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>;

 $-(C_{1}-C_{6}alkylene)-N^{\oplus}R_{13}R_{14}R_{15};-N(R_{12})-(C_{1}-C_{6}alkylene)-NR_{13}R_{14};-N[(C_{1}-C_{6}alkylene)-NR_{13}R_{14}]_{2};$ 

 $-N(R_{12})-(C_{1}-C_{6}alkylene)-N^{\oplus}R_{13}R_{14}R_{15};-N[(C_{1}-C_{6}alkylene)-N^{\oplus}R_{13}R_{14}R_{15}]_{2};\ -N(R_{12})-N-R_{13}R_{14}\ or$ 

 $\text{-N(R}_{12}\text{)-N$^{\oplus}$R$}_{13}R_{14}R_{15}\text{, wherein}\\$ 

R<sub>12</sub> is as defined above and

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl, or

 $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms,

with the proviso that

at least one of the substituents  $R_1$  to  $R_{10}$  contains a quaternised nitrogen atom that is not bonded directly to one of the three rings A, B and/or C.

- 18. (currently amended): Use A method according to claim 17, wherein R₅ is not hydrogen.
- 19. (currently amended): Use-A method according to either claim 17-or claim 18, wherein

 $R_5$  in L' is phenyl unsubstituted or substituted by  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, halogen, phenyl or by hydroxy; cyano; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation,  $C_1$ - $C_4$ alkyl or phenyl; - $SR_{12}$ , - $SO_2R_{12}$  or - $OR_{12}$  wherein  $R_{12}$  is in each case hydrogen,  $C_1$ - $C_{14}$ alkyl or phenyl; - $N(CH_3)$ - $NH_2$  or -NH- $NH_2$ ; amino; N-mono- or  $N_1N$ -di- $C_1$ - $C_4$ alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, wherein the nitrogen atoms, especially the nitrogen atoms not bended to one of the three rings A, B or  $C_1$  may be quaternised; N-mono- or  $N_1N$ -di- $C_1$ - $C_4$ alkyl- $N^{\oplus}R_{13}R_{14}R_{15}$  unsubstituted or substituted by hydroxy in the alkyl moiety, wherein

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the others hydrogen or unsubstituted or hydroxy-substituted  $C_1$ - $C_{12}$ alkyl, unsubstituted phenyl or phenyl substituted as indicated above, or  $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring unsubstituted or substituted by at least one- $C_4$ - $C_4$ alkyl or by at least one unsubstituted  $C_1$ - $C_4$ alkyl and/or substituted  $C_1$ - $C_4$ alkyl, wherein the nitrogen atom may be quaternised; N-mono- or N,N-di- $C_1$ - $C_4$ alkyl-NR<sub>13</sub>R<sub>14</sub> unsubstituted or substituted by hydroxy in the alkyl moiety, wherein

 $R_{13}$  and  $R_{14}$  may be as defined above.

**20.** (currently amended): Use A method according to any one of claims 17 to 19 claim 17, wherein L' is a compound of formula (3'a) and/or (3'b)

wherein  $R'_3$ ,  $R'_5$  and  $R'_7$  have the definitions and preferred meanings-indicated-above in claim 17 for  $R_5$ , but  $R'_3$  and  $R'_7$  may additionally be hydrogen.

- 21. (currently amended): Use A method according to any one of claims 17 to 20 claim 17, wherein
- (i) at least one of the substituents R'<sub>3</sub>, R'<sub>5</sub> and R'<sub>7</sub> is one of the radicals

$$-\operatorname{C_1-C_4alkylene-N} + \operatorname{C_1-C_4alkyl} \\ \operatorname{C_1-C_4alkyl} \\ \operatorname{or} -\operatorname{N} + \operatorname{C_1-C_4alkyl} \\ \operatorname{C_1-C_4alkyl}$$

wherein the unbranched or branched alkylene group may be unsubstituted or substituted, and wherein the alkyl groups, which are unbranched or branched independently of one another, may be unsubstituted or substituted and wherein the piperazine ring may be unsubstituted or substituted.

- 22. (cancelled).
- 23. (currently amended): Use A method according to any one of claims 17 to 22 claim 17, wherein L' contains precisely 1, 2 or-precisely 3 quaternised nitrogen atoms.
- **24.** (currently amended): Use-A method according to any one of claims 1 to 23, wherein the oxidation is carried out using molecular oxygen and/or air.
- 25. (currently amended): A metal complex compound of formula (1a)

$$[L_n Me_m X_p]^z Y_q$$
 (1a),

wherein all substituents are as defined in any one of claims 1 to 16 claim 1.

**26.** (currently amended): A metal complex compound of formula (1a) according to claim 25, wherein L is a compound of formula (3a) and/or (3b)

wherein

R'<sub>5</sub> is C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino substituted by hydroxy in the alkyl moiety; or -NR<sub>13</sub>R<sub>14</sub>; -(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>13</sub>R<sub>14</sub>; -N(R<sub>12</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>13</sub>R<sub>14</sub>; -N[(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>13</sub>R<sub>14</sub>]<sub>2</sub>; or -N(R<sub>12</sub>)-N-R<sub>13</sub>R<sub>14</sub>, wherein

 $R_{12}$  is hydrogen;  $C_1$ - $C_{12}$ alkyl or unsubstituted phenyl or phenyl substituted by (substituted in the alkyl moiety by hydroxy) N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino-, N-phenylamino-, N-naphthylamino-, phenyl-, phenoxy- or naphthyloxy, and  $R_{13}$  and  $R_{14}$  are each independently of the other hydrogen, unsubstituted or hydroxy-substituted  $C_1$ - $C_{12}$ alkyl, unsubstituted phenyl or phenyl substituted as indicated above, or

 $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring that is unsubstituted or substituted by at least one unsubstituted  $C_1$ - $C_4$ alkyl and/or substituted  $C_1$ - $C_4$ alkyl, especially a pyrrolidine, piperidine, piperazine, morpholine or azepane ring, and

R'<sub>3</sub> and R'<sub>7</sub> are each independently of the other hydrogen; C<sub>1</sub>-C<sub>4</sub>alkoxy; hydroxy; N-mono- or N,N-di-C<sub>1</sub>-C<sub>4</sub>alkylamino substituted by hydroxy in the alkyl moiety; or -NR<sub>13</sub>R<sub>14</sub>; -(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>13</sub>R<sub>14</sub>; -N(R<sub>12</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-NR<sub>13</sub>R<sub>14</sub>;

 $-N[(C_1-C_6alkylene)-NR_{13}R_{14}]_2$ ; or  $-N(R_{12})-N-R_{13}R_{14}$ , wherein

 $R_{12}$  is hydrogen;  $C_1$ - $C_{12}$ alkyl or unsubstituted or (substituted in the alkyl moiety by hydroxy) N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino-, N-phenylamino-, N-naphthylamino-, phenyl-, phenoxy- or naphthyloxy-substituted phenyl, and

 $R_{13}$  and  $R_{14}$  are each independently of the other hydrogen; unsubstituted or hydroxy-substituted  $C_1$ - $C_{12}$ alkyl, unsubstituted phenyl or phenyl substituted as indicated above, or

 $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form a pyrrolidine, piperidine, piperazine, morpholine or azepane ring that is unsubstituted or substituted by at least one unsubstituted  $C_1$ - $C_4$ alkyl and/or substituted  $C_1$ - $C_4$ alkyl, especially a pyrrolidine, piperidine, piperazine, morpholine or azepane ring.

27. (currently amended): A metal complex compound of formula (1'a)

$$[L'_n Me_m X_p]^z Y_q \hspace{1cm} (1'a),$$

wherein all substituents are as defined in-claims claim 17-to-23.

28. (currently amended): A metal complex compound of formula (1'a) according to claim 27, wherein L' is a compound of formula (3'a) and/or (3'b)

wherein R'<sub>3</sub>, R'<sub>5</sub> and R'<sub>7</sub> have the definitions and preferred meanings given above for R<sub>5</sub> in claims 17 to 23, but R'<sub>3</sub> and R'<sub>7</sub> may additionally be hydrogen, with the proviso that

(i) at least one of the substituents R'<sub>3</sub>, R'<sub>5</sub> and R'<sub>7</sub> is a radical -(C<sub>1</sub>-C<sub>6</sub>alkylene)-N<sup> $\oplus$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>; -N(R<sub>12</sub>)-(C<sub>1</sub>-C<sub>6</sub>alkylene)-N<sup> $\oplus$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>; -N[(C<sub>1</sub>-C<sub>6</sub>alkylene)-N<sup> $\oplus$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>]<sub>2</sub>; <u>or</u> -N(R<sub>12</sub>)-N<sup> $\oplus$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>, wherein

R<sub>12</sub> is as defined above and

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the others hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl, or

R<sub>13</sub> and R<sub>14</sub>, together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms; or

 $-NR_{13}R_{14}$ ;  $-(C_1-C_6alkylene)-NR_{13}R_{14}$ ;  $-N(R_{12})-(C_1-C_6alkylene)-NR_{13}R_{14}$ ;

 $-N[(C_1 - C_6 alkylene) - NR_{13}R_{14}]_2; \ \underline{or} \ -N(R_{12}) - N - R_{13}R_{14}, \ wherein$ 

 $R_{12}$  and  $R_{15}$  are as defined above and  $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form a 5-, 6- or 7-membered ring which may be unsubstituted or substituted by at least one unsubstituted  $C_1$ - $C_4$ alkyl and/or substituted  $C_1$ - $C_4$ alkyl and may contain further hetero atoms, wherein at least one nitrogen atom not bonded to one of the rings A, B and/or C is quaternised.

29. (currently amended): A ligand L' according to any one of claims 17 to 23, claim 27 and 28 of formula (4') or (5')

wherein

 $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$  and  $R_{10}$  are each independently of the others hydrogen; unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12}$  is in each case hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; - $NR_{13}R_{14}$ ; - $(C_1$ - $C_6$ alkylene)- $NR_{13}R_{14}$ ;

 $-N^{\oplus}R_{13}R_{14}R_{15}$ ;  $-(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15}$ ;  $-N(R_{12})-(C_1-C_6alkylene)-NR_{13}R_{14}$ ;

 $-N[(C_1-C_6alkylene)-NR_{13}R_{14}]_2; -N(R_{12})-(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15};$ 

 $-N[(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15}]_2; -N(R_{12})-N-R_{13}R_{14} \text{ or } -N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}, \text{ wherein } -N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}]_2; -N(R_{12})-N-R_{13}R_{14} \text{ or } -N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}$ 

R<sub>12</sub> is as defined above and

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl, or

R<sub>13</sub> and R<sub>14</sub>, together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms,

with the proviso that

at least one of the substituents  $R_1$  to  $R_{10}$  contains a quaternised nitrogen atom that is not bonded directly to one of the three rings A, B and/or C.

**30.** (currently amended): A ligand L according to any one of claims 1 to 16, 25 and 26 claim 1 of formula (6)

wherein

 $R_1$ ,  $R_2$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$  and  $R_9$  are each independently of the others hydrogen; unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12} \text{ is in each case hydrogen or unsubstituted or substituted $C_{1}$-$C_{18}alkyl or substituted or unsubstituted aryl; -NR_{13}R_{14}; -(C_{1}$-$C_{6}alkylene)$-NR_{13}R_{14}; -N^{\oplus}R_{13}R_{14}R_{15}; -(C_{1}$-$C_{6}alkylene)$-N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})$-(C_{1}$-$C_{6}alkylene)$-NR_{13}R_{14}; -N[(C_{1}$-$C_{6}alkylene)$-NR_{13}R_{14}]_{2}; -N(R_{12})$-(C_{1}$-$C_{6}alkylene)$-N^{\oplus}R_{13}R_{14}R_{15}; -N[(C_{1}$-$C_{6}alkylene)$-N^{\oplus}R_{13}R_{14}R_{15}]_{2}; -N(R_{12})$-N-$R_{13}R_{14}; or -N(R_{12})$-N^{\oplus}R_{13}R_{14}R_{15}, wherein R_{12} is as defined above and$ 

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl, or

R<sub>13</sub> and R<sub>14</sub>, together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms, and

 $R_3$  is phenyl substituted by  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, hydroxy, sulfo, sulfato, halogen, cyano, nitro, carboxy, amino, N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthyloxy, substituted  $C_1$ - $C_1$ -alkyl or substituted or unsubstituted aryl; -CH<sub>3</sub>;  $C_3$ - $C_1$ -alkyl; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12} \text{ is in each case hydrogen or unsubstituted or substituted } C_{1}\text{-}C_{18} \text{alkyl or substituted or unsubstituted aryl; } -NR_{13}R_{14}; -(C_{1}\text{-}C_{6} \text{alkylene})\text{-}NR_{13}R_{14}; -N^{\oplus}R_{13}R_{14}R_{15}; -(C_{1}\text{-}C_{6} \text{alkylene})\text{-}N^{\oplus}R_{13}R_{14}R_{15}; -N(R_{12})\text{-}(C_{1}\text{-}C_{6} \text{alkylene})\text{-}NR_{13}R_{14}; -N[(C_{1}\text{-}C_{6} \text{alkylene})\text{-}NR_{13}R_{14}]_{2}; -N(R_{12})\text{-}(C_{1}\text{-}C_{6} \text{alkylene})\text{-}N^{\oplus}R_{13}R_{14}R_{15}; -N[(C_{1}\text{-}C_{6} \text{alkylene})\text{-}N^{\oplus}R_{13}R_{14}R_{15}]_{2}; -N(R_{12})\text{-}N\text{-}R_{13}R_{14}; \text{ or } -N(R_{12})\text{-}N^{\oplus}R_{13}R_{14}R_{15}, \text{ wherein } R_{12} \text{ is as defined above and } R_{12} \text{ is as defined above}$ 

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl, or

 $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms.

**31.** (currently amended): A ligand L according to any one of claims 1 to 16, 25 and 26 claim 1 of formula (7)

$$\begin{array}{c|cccc}
R_3 & R_4 & B & R_6 & R_7 \\
R_2 & R_1 & R_9 & R_8
\end{array}$$
(7)

## wherein

 $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_8$ ,  $R_9$  and  $R_{10}$  are each independently of the others hydrogen; unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; cyano; halogen; nitro; -COOR<sub>11</sub> or -SO<sub>3</sub>R<sub>11</sub> wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12}$  is in each case hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted substituted aryl; -NR<sub>13</sub>R<sub>14</sub>; -( $C_1$ - $C_6$ alkylene)-NR<sub>13</sub>R<sub>14</sub>;

 $-N^{\oplus}R_{13}R_{14}R_{15}$ ;  $-(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15}$ ;  $-N(R_{12})-(C_1-C_6alkylene)-NR_{13}R_{14}$ ;

 $-N[(C_1-C_6alkylene)-NR_{13}R_{14}]_2; -N(R_{12})-(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15};$ 

 $-N[(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15}]_2$ ;  $-N(R_{12})-N-R_{13}R_{14}$  or  $-N(R_{12})-N^{\oplus}R_{13}R_{14}R_{15}$ , wherein  $R_{12}$  is as defined above and

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl, or

 $R_{13}$  and  $R_{14}$ , together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms,

## and

 $R_7$  is phenyl substituted by  $C_1$ - $C_4$ alkyl,  $C_1$ - $C_4$ alkoxy, hydroxy, sulfo, sulfato, halogen, cyano, nitro, carboxy, amino, N-mono- or N,N-di- $C_1$ - $C_4$ alkylamino unsubstituted or substituted by hydroxy in the alkyl moiety, N-phenylamino, N-naphthylamino, phenyl, phenoxy or by naphthyloxy, substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; - $CH_3$ ;  $C_3$ - $C_{18}$ alkyl; cyano; F; Br; I; nitro; - $COOR_{11}$  or - $SO_3R_{11}$  wherein

 $R_{11}$  is in each case hydrogen, a cation or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl; -SR<sub>12</sub>, -SO<sub>2</sub>R<sub>12</sub> or -OR<sub>12</sub> wherein

 $R_{12}$  is in each case hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or unsubstituted or substituted aryl; -NR<sub>13</sub>R<sub>14</sub>; -( $C_1$ - $C_6$ alkylene)-NR<sub>13</sub>R<sub>14</sub>; -N<sup> $\theta$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>;

 $\hbox{-(C$_1$-C$_6$alkylene)-$N^{\oplus}$R$_{13}$R$_{14}$R$_{15}; -N(R$_{12})-(C$_1$-C$_6$alkylene)-NR$_{13}$R$_{14};}$ 

 $-N[(C_1-C_6alkylene)-NR_{13}R_{14}]_2; -N(R_{12})-(C_1-C_6alkylene)-N^{\oplus}R_{13}R_{14}R_{15};$ 

-N[( $C_1$ - $C_6$ alkylene)-N<sup> $\oplus$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>]<sub>2</sub>; -N(R<sub>12</sub>)-N-R<sub>13</sub>R<sub>14</sub>; or -N(R<sub>12</sub>)-N<sup> $\oplus$ </sup>R<sub>13</sub>R<sub>14</sub>R<sub>15</sub>, wherein R<sub>12</sub> is as defined above and

 $R_{13}$ ,  $R_{14}$  and  $R_{15}$  are each independently of the other(s) hydrogen or unsubstituted or substituted  $C_1$ - $C_{18}$ alkyl or substituted or unsubstituted aryl, or

R<sub>13</sub> and R<sub>14</sub>, together with the nitrogen atom linking them, form an unsubstituted or substituted 5-, 6- or 7-membered ring which may contain further hetero atoms.

- 32. (currently amended): A detergent, cleaning, disinfecting or bleaching composition containing
  - I) from 0 to 50% A) of an anionic surfactant and/or B) of a non-ionic surfactant,
  - II) from 0 to 70% C) of a builder substance,
  - III) from 1 to 99% D) of a peroxide,
  - IV) E) at least one metal complex compound of formula (1) and/or (1') of any one of claims of claim 25-to-28 in an amount that, in the liquor, gives a concentration of from 0.5 to 50 mg/litre of liquor, preferably from 1 to 30 mg/litre of liquor, when from 0.5 to 20 g/litre of the detergent, cleaning, disinfecting or bleaching agent are added to the liquor, the percentages in each case being percentages by weight, based on the total weight of the composition, and
  - V) water ad 100%.
- 33. (currently amended): A solid formulation containing
  - a) from 1 to 99% by weight of a metal complex compound of formula (1) and/or (1') of any oneof claims of claim 25-to 28,
  - b) from 1 to 99% by weight of a binder,
  - c) from 0 to 20% by weight of an encapsulating material,
  - d) from 0 to 20% by weight of a further additive and
  - e) from 0 to 20% by weight of water.
- 34. (original): A solid formulation according to claim 33, which is in the form of tablets or granules.